

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. 1. (Currently Amended) An electric drive unit for generating an oscillating movement, the drive unit that comprises comprising:
a stator (13);
a rotor (14);
a torsion element (10); and
a tuning element, which (6) that acts upon the torsion element (10) and serves for mechanically tuning the resonant frequency of the drive unit (1), characterized in that wherein the rotor (14) features comprises a hollow shaft (3), and in that wherein the torsion element (10) is at least partially arranged within the hollow shaft (3).
2. (Currently Amended) The drive unit according to claim 1, characterized in that wherein the tuning element (6) fixes is arranged to secure the torsion element (10) at a variable location of the torsion element in a selectable position (10).
3. (Currently Amended) The drive unit according to one of the preceding claims claim 2, characterized in that wherein the tuning element (6) is arranged on the stator (13) such that it can be displaced and fixed in position.
4. (Currently Amended) The drive unit according to claim 3, characterized in that wherein the tuning element (6) is displaceable parallel to the longitudinal axis of the drive unit (1).
5. (Currently Amended) The drive unit according to claim 3-or 4, characterized in that wherein the tuning element (6) engages into at least one groove (19) in the stator (13).

6. (Currently Amended) The drive unit according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the tuning element (6) is realized in the form of ~~comprises~~ a clamping device.
7. (Currently Amended) The drive unit according to claim 6, ~~characterized in that~~ wherein the tuning element comprises two parts (17, 18) and at least one connecting element (20) ~~for pulling together~~ configured to draw the two parts (17, 18) together.
8. (Currently Amended) The drive unit according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the torsion element (10) is fixed on the rotor (14).
9. (Currently Amended) The drive unit according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the torsion element (10) is realized in the form of ~~comprises~~ a torsion rod.
10. (Currently Amended) The drive unit according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ further comprising a housing (2) provided that features having a recess (5) in the region of arranged to accommodate the tuning element (6).
11. (Currently Amended) The drive unit according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the stator (13) features comprises permanent magnets (12) and at least one coil (16).
12. (Currently Amended) The drive unit according to ~~one of the preceding claims~~ claim 1, ~~characterized in that~~ wherein the rotor (14) features comprises an armature (9) of a magnetizable material.
13. (Currently Amended) A small electric appliance, ~~characterized in that~~ it features a comprising drive unit (1) according to one of the preceding claims of claim 1.

14. (Currently Amended) The small appliance ~~according to~~ of claim 13, ~~characterized in that it is realized~~ in the form of an electric toothbrush or an electric razor.
15. (Currently Amended) A method ~~for~~ of manufacturing an electric drive unit (1) for generating an oscillating movement, wherein the drive unit (1) comprises a stator (13), a rotor (14), a torsion element (10) and a tuning element (6), and wherein the resonant frequency of the drive unit (1) is mechanically tuned, ~~characterized in that the method comprising:~~
~~exciting~~ the drive unit (1) is ~~excited such that it carries out to generate~~ an oscillating movement; and
~~determining from the oscillating movement a desired in that the location on of the torsion element (10) at which for securing the tuning element (6) needs to be fixed is determined from the oscillating movement to tune a resonant frequency of the drive unit.~~
16. (Currently Amended) The method ~~according to~~ of claim 15, ~~characterized in that further comprising~~
~~fixing~~ the torsion element (10) is fixed on the tuning element (6), wherein the location at which the tuning element (6) engages on the torsion element (10) is chosen such that the drive unit (1) has the desired resonant frequency in the desired location.
17. (Currently Amended) The method according to claim 16, ~~characterized in that wherein exciting~~ the drive unit (1) carries out the oscillating movement due to ~~an~~ comprises ~~excitation~~ exciting the drive unit by pulses.
18. (Currently Amended) The method according to ~~one of claims~~ claim 15-17, ~~characterized in that further comprising~~ switching the drive unit off, and then ~~fixing~~ the torsion element (10) is fixed in ~~the~~ a rotational position that the rotor (14) assumes when the drive unit (1) is switched off.